



# TYPE APPROVAL CERTIFICATE

Polish Register of Shipping certifies that the undernoted product type

## MONITORS

**HP E23 G4 FHD / E24i G4 WUXGA / E27 FHD G4**

issued to

**Mariner Systems (UK) Ltd.  
Oaklands Park, Wokingham  
Berkshire RG41 2FD  
United Kingdom**

is approved as complying with the requirements of the

PRS Rules and is suitable for use on board of Ships classified by PRS.

Certificate No. **TE/1011/883236/21**

Issued at

**Gdańsk, 2021-07-22**



**C/020/54**

Expiry date **2026-07-21**

Signature

Polski Rejestr Statków S.A.  
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Continued overleaf

## Technical Data

<b>Panel Type:</b>	LED Backlit IPS
<b>Native Resolution:</b>	1920 x 1080 @ 60 Hz, 16:9 (E23 G4 FHD & E27 G4 FHD), 1920 x 1200 @ 60 Hz, 16:10 (E24i G4 WUXGA)
<b>Frequency:</b>	30 to 80 kHz (Horizontal), 50 to 60 Hz (Vertical)
<b>Input Power:</b>	100 to 240 VAC, 50/60 Hz
<b>Maximum Power Consumption:</b>	51 W (E23 G4 FHD), 53 W (E24i G4 WUXGA and E27 G4 FHD)
<b>Mariner Kit:</b>	The monitor must be used in conjunction with the Mariner Systems (UK) Ltd Kit:

Monitor Model	Mariner Kit
HP E23 G4 FHD 23-inch Monitor	MS1610 (Desk Mount) MS1615 (Wall Mount) MS1620 (Console Mount)
HP E24i G4 WUXGA 24-inch Monitor	MS1630 (Desk Mount) MS1635 (Wall Mount) MS1640 (Console Mount)
HP E27 G4 FHD 27-inch Monitor	MS1650 (Desk Mount) MS1655 (Wall Mount) MS1660 (Console Mount)

## Basis of approval

1. The technical documentation approved by PRS on 22-07-2021.
2. The positive results of environmental tests carried out at MS Testing, Division of Mariner Systems (UK) Ltd. Test Reports No.: TL21010, TL21014 and TL21023 dated 2021.04.13.
3. The Quality Management System Certificate BS EN ISO 9001:2015 No. UK010572 issued by Bureau Veritas Certification with Expiration Date 08.01.2022.
4. Survey reports Nos TM/SGi/01/21 dated 25.05.2021 and TM/SGi/02/21 dated 22.07.2021.

## Additional conditions and remarks:

1. The condition for maintain validity of this Certificate is to maintain validity of A/M ISO 9001 Certificate.
2. Compass safe distance:  
HP E23 G4 FHD & HP E27 G4 FHD – 500 mm (1 Degree Deflection) or 700 mm (0.3 Degree Deflection);  
HP E24i G4 WUXGA - 700 mm (1 Degree Deflection) or 900 mm (0.3 Degree Deflection).
3. HP E27 G4 FHD is only to be installed together with in-line power filter RF 1004-MST-C (which is an integral component of Mariner Kits MS1650, MS1655 & MS1660).
4. Each product is to be marked with Model No, Rated Voltage and Serial No.

## Notes

- 1 The approval is valid only when the product is used in accordance with the manufacturer's conditions.
- 2 Changes of product design and materials which influence product quality are to be agreed with PRS.
- 3 Type Approval Certificate will be cancelled in the case of dissatisfactory service results, modifications made in the product structure or materials without PRS' consent, not advising PRS of the manufacturer's name change.

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